

NikhilHubballi

contact

Nikhil Hubballi
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Karnataka, India

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LinkedIn | Github
Twitter | Medium

languages

Kannada (expert)
English (fluent)
Hindi (fluent)
Telugu (limited)

programming

Python ♥
C/C++, MATLAB
L^AT_EX, SQL
Basics: R, Julia,
JavaScript, D3.js,
HTML, css, Arduino,
Android App
development

Spatial Data Science | GIS & Remote Sensing | Machine Learning | Space Sciences

quote

The only person who is educated is the one who has learned how to learn and change.

- Carl Rogers

experience

Jul 2021 -
present

PwC AC Kolkata

Senior Associate - Data Science - Full-time

Bangalore, India

Mar 2020 -
Jun 2021

Quilt.AI

Data Scientist - Full-time

A startup from Singapore that converts big data into human insights using a fast and scalable technology platform.

Singapore

Mar 2019 -
Jan 2020

Atlan (previously, SocialCops) (Peeply Technologies Pvt Ltd.)

Data Science Associate - Full-time

A startup from New Delhi focusing on building insight-packs using alternative data (spatial and non-spatial) to provide actionable insights across sectors and industries. I was an integral part of the data team that helped bring a lot of these spatial and non-spatial data sources into data workflow pipelines to help build interesting and useful insight-packs.

New Delhi, India

Nov 2018 -
Feb - 2019

Atlan (previously, SocialCops) (Peeply Technologies Pvt Ltd.)

Data Science Consultant - Full-time

New Delhi, India

Jun 2018 -
Oct - 2018

Randstad India - deputed to 'FluroSat'

Geospatial Data Programmer - Full-time (on contract)

FluroSat, A startup from Sydney focusing on delivering world's best research via user-centred software that helps agronomists and farmers make informed decisions. I was involved in developing tools in remote sensing, agricultural science using machine learning and AI across all relevant layers of data to create efficient agronomic workflows and provide selective, accurate and actionable insights.

Sydney, Australia

Sep 2017 -
Jun 2018

Indian Institute of Science Education and Research

Project/Research Assistant - Full-time

Working on an Astronomy and Astrophysics project titled 'Mass modelling of gas-rich lenticular galaxies using HI rotation curves' under Dr.Arunima Banerjee

Tirupati, India

Feb 2015 -
Aug 2016

IIST's Nano-satellite Program

Student Engineer - ADCS

Worked as an engineer in the Attitude Determination and Control System department of the Nano-satellite program in Indian Institute of Space Science and Technology

Trivandrum, India

Jun-Jul,
2016

Aryabhata Research Institute of Observational Sciences

Summer Intern

Worked on developing an astronomical tool in python to obtain the temperature and optical depth map of star-forming molecular clouds using Planck satellite data under Dr. Maheswar Gopinathan

Nainital, India

education

- 2013-2017 **B.Tech** in Physical Sciences
Indian Institute of Space Science and Technology, Trivandrum CGPA: 7.35/10
- 2011-2013 **Intermediate Public Examinations** Senior Secondary Education
FIITJEE Junior College, Hyderabad 93%
- 2011 **Secondary School Leaving Certificate Examinations** Secondary Education (10th standard)
St. Anne's Convent High School, Bagalkot 97.64%

certification

- June 2017 **Machine Learning A-Z™: Hands-On Python & R In Data Science**
Udemy, License No: UC-YH4CGA5E
<https://www.udemy.com/certificate/UC-YH4CGA5E/>
- June 2017 **Machine Learning by Stanford University**
Coursera, License No: 4HX7V65NF94W
<https://www.coursera.org/account/accomplishments/certificate/4HX7V65NF94W>
- Nov 2017 **Deep Learning A-Z™: Hands-On Artificial Neural Networks**
Udemy, License No: UC-UBB80PM1
<https://www.udemy.com/certificate/UC-UBB80PM1/>

projects

- Sep 2017 -
Jun 2018 **Mass modelling of gas-rich lenticular galaxies using HI rotation curves**
Project/Research Assistant - Indian Institute of Space Education and Research
Under Dr. Arunima Banerjee, IISER, Tirupati
- 2017 **Site Suitability Analysis for Solar PV Power Plant in the northeastern Districts of Karnataka State**
Final Year Project - Indian Institute of Space Science and Technology
Guide : Dr. Gnanappazham L., IIST, Trivandrum
- 2016 **Tracking accuracy of 3.6m Telescope at Devasthal and Temperature & optical depth map of star forming molecular clouds using Planck Satellite data**
Summer Intern - Aryabhata Research Institute of Observational Sciences
Guide : Dr. Maheswar Gopinathan
- 2016 **Minutiae-based Fingerprint Matching**
Academic Project, Indian Institute of Space Science and Technology
Guide: Gorthi R.K.S.S. Manyam
- 2015 **Determination of Test templates and building Helmholtz Cage test-setup for IIST's Nano-satellite**
ADCS Student Engineer - IIST's Nano-satellite Program
Guide: Harsha Simha, IIST, Trivandrum
- 2015 **Design and Manufacture of Magnetotorquers for IIST's Nano-satellite**
ADCS Student engineer - IIST's Nano-satellite Program
Guide: Harsha Simha, IIST, Trivandrum

skills

- Platform and tools
Windows, Linux, mac OS, Anaconda, Version Control, Github, Docker, GCP, AWS (S3, EC2), PostgreSQL, PostGIS, sqlite3, Carto, Leaflet, Mapbox
- Python Libraries
NumPy, Scipy, Pandas, GDAL, matplotlib, scikit-learn, scikit-image, PIL, imutils, Opencv, shapely, fiona, geopandas, rasterio, apache-libcloud etc.
- Software
ArcMap, ArcGIS, QGIS, Tableau, Alteryx Designer, UiPath, ERDAS Imagine, ENVI, MATLAB, Octave, Envi, COMSOL, Gnuplot, AutoCAD, Pinnacle studio, Adobe Suite(Photoshop, Illustrator, InDesign, Lightroom, Premiere, Audition), MS Office, Astronomical Analysis tools (IRAF, ds9, Xeasoft, GIPSY)
- Technical
Geospatial Analysis, Algorithms, Analytical skills, Scientific Computing, Data Ingestion, Data Pre-processing, Automation, Building Workflows/Pipelines, Web Scraping, Design, Documentation, Modelling, Simulations, Problem solving, Technical writing
- Organizational
Presentation skills, Team Building, Team leading, Team Management, Project Planning and organizing, Project Management
- Art
Arts and craftworks, Drawing, Painting, Graphic Design and Editing, Creative writing, Blogging

interests

professional: Remote Sensing and GIS, Astronomy & Astrophysics, Data Science, Machine Learning, Deep Learning, Artificial Intelligence, Internet of things, Renewable Energy, Robotics, Entrepreneurship, Solid State Physics, Geography

personal: Photography, Calligraphy, Hiking, Debate, Travel, Cinemas, History, Music, Psychology, Science & Technology, Archaeology, Gaming

extracurricular:

- Former Member - SPIE-IIST chapter and student activities
- Founding Member - Food for thought club of IIST
- Co-ordinator (Creatives) - DHANAK - Annual cultural festival of IIST
- House captain in the inter-house school competitions in High school

honors and awards

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| 2013 | Full scholarship for undergraduate studies by Dept. of Space, Govt of India
Indian Institute of Space Science and Technology, Thiruvananthapuram |
| 2013 | Among the top 1 percentile in JEE(MAINS)
CENTRAL BOARD OF SECONDARY EDUCATION, India
National Joint Entrance Examination for national & central-funded institutes for undergraduate studies |
| 2011 | 2nd Rank to district in 10th Board exam (Secondary School Leaving Certificate)
Karnataka Secondary Education Examination Board, India |